

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF APS (ACCESSIBLE PEDESTRIAN SIGNALS)/CPS (COUNTDOWN PEDESTRIAN SIGNALS) ACROSS THE EAST AND SOUTH LEGS OF THE INTERSECTION OF US 40 (PULASKI HIGHWAY) AND GATEWAY ROAD IN HARFORD COUNTY, MARYLAND.

US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE EXISTING INTERSECTION OPERATION WILL REMAIN THE SAME.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

US 40 (PULASKI HIGHWAY) AND GATEWAY ROAD

1. US 40 (PULASKI HIGHWAY) AND GATEWAY - EAST LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS PULASKI AT GATEWAY, WAIT" *

WALK: RAPID TICK

2. GATEWAY ROAD AND US 40 (PULASKI HIGHWAY) - SOUTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS GATEWAY AT PULASKI, WAIT" *

WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10'

** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 229-2381

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 229-2361

MR. MIKE PASQUARIELLO
DISTRICT UTILITY ENGINEER
PHONE: (410) 229-2341

MR. ROBERT SNYDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
PHONE: (410) 787-7650

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13
R	R	R	R	R	R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G	G	G	G	G	G	G

PHASE 2 + 5	G	G	←	←	R	R	R	R	R	DW	DW	DW	DW	←
2 + 5 CHANGE	G	G	←	←	R	R	R	R	R	DW	DW	DW	DW	←
PHASE 2 + 6	G	G	←	←	R	R	R	R	R	WK	WK	DW	DW	←
PED. CLEARANCE	G	G	←	←	R	R	R	R	R	FLDW	FLDW	DW	DW	←
2 + 6 CHANGE	Y	Y	←	←	Y	Y	R	R	R	DW	DW	DW	DW	←
PHASE 4	R	R	←	←	R	R	G	G	G	DW	DW	DW	DW	←
4 CHANGE	R	R	←	←	R	R	Y	Y	Y	DW	DW	DW	DW	←
PHASE 4 ALT	R	R	←	←	R	R	G	G	G	DW	DW	WK	WK	←
PED. CLEARANCE	R	R	←	←	R	R	G	G	G	DW	DW	FLDW	FLDW	←
4 ALT CHANGE	R	R	←	←	R	R	Y	Y	Y	DW	DW	DW	DW	←
FLASHING OPERATION	FLY	FLY	←	←	FLY	FLY	FLR	FLR	FLR	DARK	DARK	DARK	DARK	←

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	4 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
	- 2 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS PULASKI HWY"
	- 2 EACH	R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS GATEWAY ROAD"

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

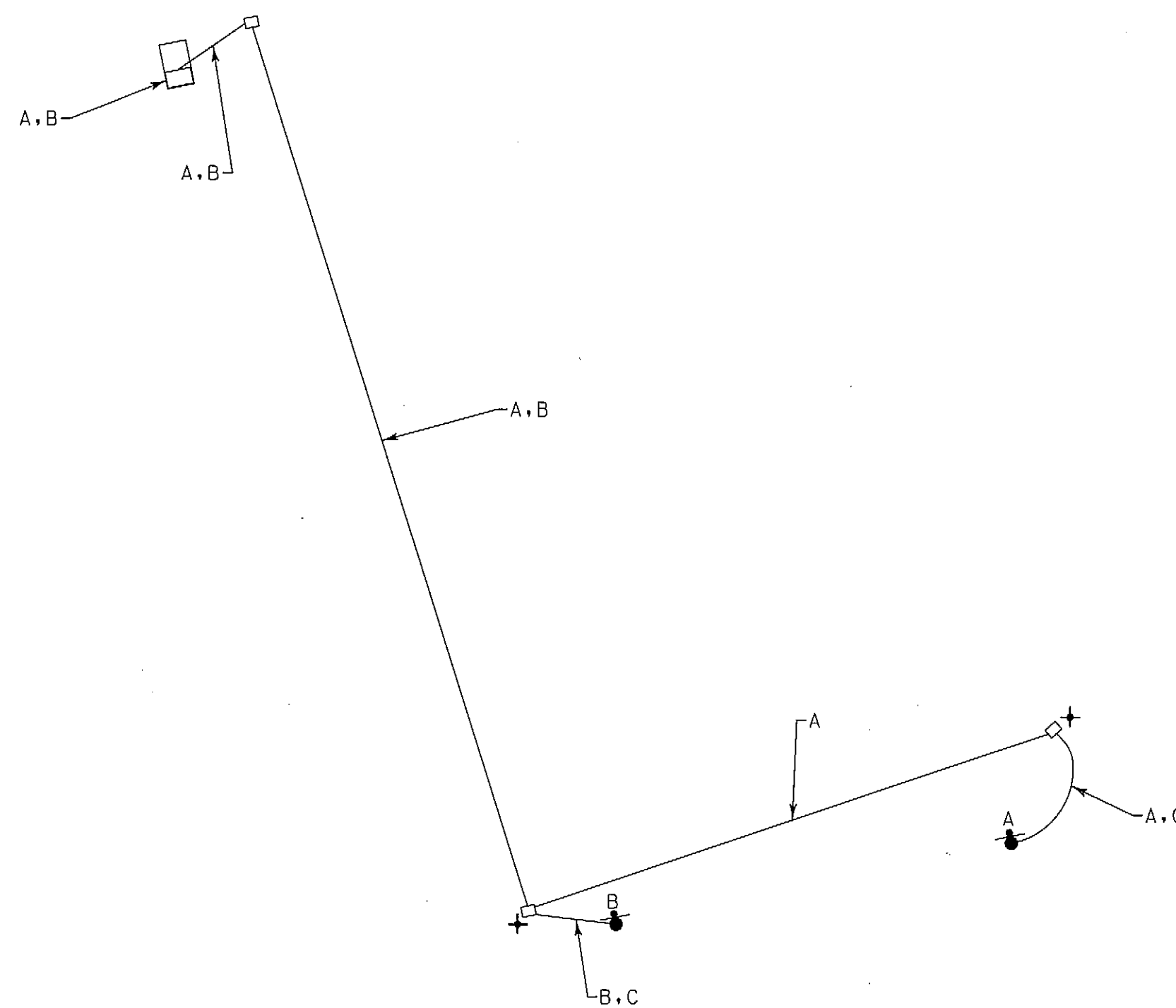
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.06-11 (MOBILE SERVICE WORK)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

WIRING DIAGRAM



WIRING KEY

- A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B }
C } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD

TOD NO: XY125-12
SHA NO: HA400B55
US 40; Woodbridge Way/Bus. Center
Way/Gateway Dr./Treetop Dr./Paul
Martin Drive

TSP-4

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 (PULASKI HIGHWAY) AND
GATEWAY DRIVE
(EDGEWOOD, MARYLAND)

GENERAL INFORMATION SHEET

SCALE NONE DATE OCTOBER 2012 CONTRACT NO. XY125/185

DESIGNED BY J. RASMUSSEN COUNTY HARFORD
DRAWN BY J. RASMUSSEN LOGMILE 120040002.66
CHECKED BY N. LEARY TMS NO. L647
F.A.P. NO. TOD NO.

TS NO. 1860C DRAWING TSP-4 OF 6 SHEET NO. 4 OF 6

PLOTTED: September 25, 2012
FILE: N:\31669-238\CADD\PSG-TSP4-US40_Gateway.dgn

WR&A

WHITMAN, REQUARDT
& ASSOCIATES, LLP
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